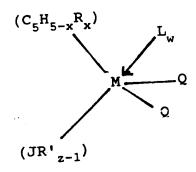
IN THE CLAIMS

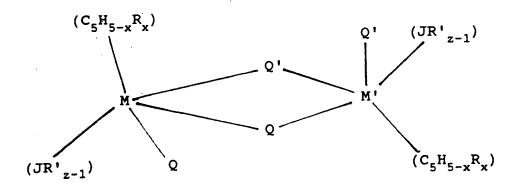
Please cancel claims 18-33, 35 and 36 and add new claims 37-42.

18.	(canceled)
19.	(canceled)
20.	(canceled)
21.	(canceled)
22.	(canceled)
23.	(canceled)
24.	(canceled)
25.	(canceled)
26.	(canceled)
27.	(canceled)
28.	(canceled)
29.	(canceled)
30.	(canceled)
31.	(canceled)
32.	(canceled)
33.	(canceled)
34.	(previously presented) A process for the polymerization of one or more
olefins	comprising conducting the polymerization in the presence of a catalyst system
comprising:	

(A) a Group IV B transition metal component of the formula:



or



wherein "M" is Zr, Hf or Ti;

 $(C_5H_{5-x}R_x)$ is a cyclopentadienyl ring which is substituted with from zero to five substituent groups R, "x" is 0, 1, 2, 3, 4 or 5 denoting the degree of substitution, and each R is, independently, a radical selected from a group consisting of C_1 - C_{20} hydrocarbyl radicals, C_1 - C_{20} substituted hydrocarbyl radicals wherein one or more hydrogen atoms is replaced by a halogen atom, C_1 - C_{20} hydrocarbyl-substituted metalloid radicals wherein the metalloid is selected from Group IV-A of the Periodic Table of Elements, and halogen radicals or $(C_5H_{5-x}R_x)$ is a cyclopentadienyl ring in

which two adjacent R-groups are joined forming a C₄-C₂₀ ring to give a saturated or unsaturated polycyclic cyclopentadienyl ligand;

 (JR'_{z-1}) is a heteroatom ligand in which "J" is an element with coordination number of three from Group V-A or an element with a coordination number of two from VI-A of the Periodic Table of Elements, each "R" is, independently a radical selected from a group consisting of C_1 - C_{20} hydrocarbyl radicals, substituted C_1 - C_{20} hydrocarbyl radicals wherein one or more hydrogen atoms is replaced by a halogen atom, and "z" is the coordination number of the element "J";

each "Q" is, independently, any univalent anionic ligand or two "Q"'s are a divalent anionic chelating ligand, provided that "Q" is different from $(C_5H_5-xR_x)$;

"L" is a neutral Lewis base where "w" is a number greater than 0 and up to 3;

"M" has the same meaning as "M"; and

"Q" has the same meaning as "Q"; and

(B) an alumoxane.

- 37. (New) The catalyst system of claim 34 wherein the heteroatom ligand group J element is nitrogen, phosphorous, oxygen or sulfur.
- 38. (New) The catalyst system of claim 34 wherein Q is a halogen or hydrocarbyl radical.
- 39. (New) The catalyst system of claim 34 wherein M is zirconium or hafnium.